IN THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (currently amended) A device for projecting a stereo color image upon a screen (S) including

a projection lamp (PL) for emission of a radiation spectrum,

a beam splitter (ST2) for separation of the radiation spectrum emitted from the projection lamp into a first partial light bundle (B1, G1, R1) and a second partial light bundle (B2, G2, R2) complimentary to the first part light bundle (B1, G1, R1), wherein the wavelength ranges for B2, G2 and R2 are within the wavelength range for a dominant excitation of the blue, green and red receptors in the human eye and lie outside the wavelength ranges B1, G1, R1,

first and second color image modulators (FM1, FM2), wherein said first color image modulator (FM1) produces a half image comprised of said first partial light bundle (B1, G1, R1) and said second image modulator (FM2) produces a half image comprised of said second partial light bundle (B2, G2, R2),

a beam integrator (SV) provided subsequent to the color image modulators (FM1, FM2) for reuniting the first partial light bundle (B1, G1, R1) with the second partial light bundle (B2, G2, R2), and

a lens system (Ob) for output of the therefrom resulting color image.

2. (previously presented) A device for projecting a stereo color image upon a screen (S) including

a projection lamp (PL) for emission of a radiation spectrum,

a beam splitter (ST2) for separation of the radiation spectrum emitted from the projection lamp into a first partial light bundle (B1, G1, R1) and a second partial light bundle (B2, G2, R2) complimentary to the first part light bundle (B1, G1, R1),

first and second color image modulators (FM1, FM2), wherein said first color image modulator (FM1) produces a half image comprised of said first partial light bundle (B1, G1, R1) and said second image modulator (FM2) produces a half image comprised of said second partial light bundle (B2, G2, R2),

a beam integrator (SV) provided subsequent to the color image modulators (FM1, FM2) for reuniting the first partial light bundle (B1, G1, R1) with the second partial light bundle (B2, G2, R2), and

a lens system (Ob) for output of the therefrom resulting color image,

wherein the beam splitter (ST2) includes a splitter dichroic mirror (D1) with triple band pass characteristic.

3. (previously presented) A device for projecting a stereo color image upon a screen (S) including

a projection lamp (PL) for emission of a radiation spectrum,

a beam splitter (ST2) for separation of the radiation spectrum emitted from the projection lamp into a first partial light bundle (B1, G1, R1) and a second partial light bundle (B2, G2, R2) complimentary to the first part light bundle (B1, G1, R1),

first and second color image modulators (FM1, FM2), wherein said first color image modulator (FM1) produces a half image comprised of said first partial light bundle (B1, G1, R1) and said second image modulator (FM2) produces a half image comprised of said second partial light bundle (B2, G2, R2),

a beam integrator (SV) provided subsequent to the color image modulators (FM1, FM2) for reuniting the first partial light bundle (B1, G1, R1) with the second partial light bundle (B2, G2, R2), and

a lens system (Ob) for output of the therefrom resulting color image,

wherein the beam integrator (SV) includes an integrator dichroic mirror (D2) with triple band characteristic.

4. (canceled)

5. (previously presented) A device according to Claim 1, wherein the first partial light bundle is comprised of three first narrow transmission ranges (B1, G1, R1) and the second partial light bundle is comprised of three second narrow transmission ranges (B2, G2, R2) complimentary to the first

transmission ranges, wherein the transmission ranges (B1, G1, R1, B2, G2, R2) lie within the wavelength ranges of the blue, green and red receptors of the human eye.

6. (previously presented) A device according to Claim 1, wherein the beam splitter (ST2) includes at least one splitter mirror.

7. (previously presented) A device according to Claim 1, wherein the beam integrator (SV) includes at least one integrator mirror.

8. (currently amended) A device according to Claim 1, further including a pair of glasses (B) with interference filters (IF1, IF2) which provide different transmission characteristics for the left eye and the right eye, which produce for the left eye a half image with the first transmission range (B1, G1, R1) and for the right eye a further half image with the second transmission range (B2, G2, R2) for stereoscopic vision, wherein the wavelength ranges for B2, G2 and R2 are within the wavelength range for a dominant excitation of the blue, green and red receptors in the human eye and lie outside the wavelength ranges B1, G1, R1.

9. (currently amended) A device for projecting a stereo color image upon a screen (S) including

a projection lamp (PL) for emission of a radiation spectrum,

a beam splitter (ST2) for separation of the radiation spectrum emitted from the projection lamp into a first partial light bundle (B1, G1, R1) and a second partial light bundle (B2, G2, R2) complimentary to the first part light bundle (B1, G1, R1),

first and second color image modulators (FM1, FM2), wherein said first color image modulator (FM1) produces a half image comprised of said first partial light bundle (B1, G1, R1) and said second image modulator (FM2) produces a half image comprised of said second partial light bundle (B2, G2, R2),

a beam integrator (SV) provided subsequent to the color image modulators (FM1, FM2) for reuniting the first partial light bundle (B1, G1, R1) with the second partial light bundle (B2, G2, R2), and

a lens system (Ob) for output of the therefrom resulting color image, wherein

the beam splitter (ST2) includes a splitter dichroic mirror (D1) with triple band pass characteristic,

the beam integrator (SV) includes an integrator dichroic mirror (D2) with triple band characteristic,

the three transmission ranges B1, G1, R1 of the splitter ~~first~~ dichroic mirror lie within the wavelength range for a dominant excitation of the blue, green and red receptors in the human eye, and

the integrator dichroic mirror exhibits three transparent or transmissive ranges B2, G2 and R2, which are within the wavelength range for a dominant excitation of the blue, green

and red receptors in the human eye and which lie outside the transmission ranges B1, G1, R1 of the splitter dichroic mirror.

10. (currently amended) A device as in claim 1, wherein

the beam splitter (ST2) includes a splitter dichroic mirror (D1) with triple band pass characteristic,

the beam integrator (SV) includes an integrator dichroic mirror (D2) with triple band characteristic, and

beam recombination occurs in the manner, that the partial light bundle transmitted through the splitter ~~first~~ dichroic mirror is reflected at the integrator dichroic mirror

11. (previously presented) A device as in claim 1, wherein

the beam splitter (ST2) includes a splitter dichroic mirror (D1) with triple band pass characteristic,

the beam integrator (SV) includes an integrator dichroic mirror (D2) with triple band characteristic,

said first and second half images are reproduced from a recording medium on which is recorded a first half-image comprised of light in three transmission ranges B1, G1, R1 within the wavelength range for a dominant excitation of the blue, green and red receptors in the human eye, and a second half-image comprised of light in three transmissive ranges B2, G2 and R2, which are within the wavelength range for a dominant excitation of the blue, green and red receptors in the human eye and which lie outside the transmission ranges B1, G1, R1 of the splitter dichroic mirror.

12. (previously presented) A device for projecting a stereo color image upon a screen (S) including

a projection lamp (PL) for emission of a radiation spectrum,

a beam splitter (ST2) for separation of the radiation spectrum emitted from the projection lamp into a first partial light bundle (B1, G1, R1) and a second partial light bundle (B2, G2, R2) complimentary to the first part light bundle (B1, G1, R1),

first and second color image modulators (FM1, FM2), wherein said first color image modulator (FM1) produces a half image comprised of said first partial light bundle (B1, G1, R1) and said second image modulator (FM2) produces a half image comprised of said second partial light bundle (B2, G2, R2),

a beam integrator (SV) provided subsequent to the color image modulators (FM1, FM2) for reuniting the first partial light bundle (B1, G1, R1) with the second partial light bundle (B2, G2, R2), and

a lens system (Ob) for output of the therefrom resulting color image,

wherein the beam splitter spectrally separates the light emitted from the projection lamp into a first partial light bundle (B1, G1, R1) and a second partial light bundle (B2, G2, R2) complimentary to the first part light bundle (B1, G1, R1), wherein

one of said partial light bundles has a component within the wavelength range 435 - 455 nm and the other has a component within the wavelength range 460 - 480 nm,

one of said partial light bundles has a component within the wavelength range 510 - 530 nm and the other has a component within the wavelength range 535 - 555 nm, and

one of said partial light bundles has a component within the wavelength range 600 - 620 nm and the other has a component within the wavelength range 625 - 645 nm.